

MuntsOS Embedded Linux

Application Note #2: Development Environment Setup for RPM Distributions

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Introduction

This application note describes how to install the application software development environment for **MuntsOS Embedded Linux** onto a computer running a RPM based x86-64 Linux distribution.

RPM packages containing the **MuntsOS** cross-toolchains are available at:

<http://repo.munts.com/muntsos/toolchain-rpms>

Each package contains cross-compilers for the Ada, C, C++, Fortran, Free Pascal, Go, and Modula-2 programming languages. The program files within the cross-toolchain packages are statically linked, so they should work on any x86-64 RPM distribution.

Installation Procedure

Step 1: Prepare your system with the following command:

```
sudo dnf -y install git gprbuild make tar wget
```

Step 2: Download and install the **MuntsOS** cross-toolchain packages with the following commands:

```
wget -r -np http://repo.munts.com/muntsos/rpms/  
sudo rpm -U repo.munts.com/muntsos/rpms/*.rpm  
rm -rf repo.munts.com
```

Easy Setup Scripts

Scripts for certain RPM based x86-64 Linux distributions are available at:

<http://git.munts.com/muntsos/scripts/setup-fedora> *Tested on Fedora 40.*

<http://git.munts.com/muntsos/scripts/setup-rhel> *Tested on CentOS Stream 9, AlmaLinux 9.1, and Rocky Linux 9.1*

The following commands fetch and execute the easy setup script for Fedora Linux:

```
wget http://git.munts.com/muntsos/scripts/setup-fedora  
chmod 755 setup-fedora && ./setup-fedora && rm setup-fedora
```

If you have another RPM based x86-64 Linux distribution, you can probably adapt one of the above scripts to it.